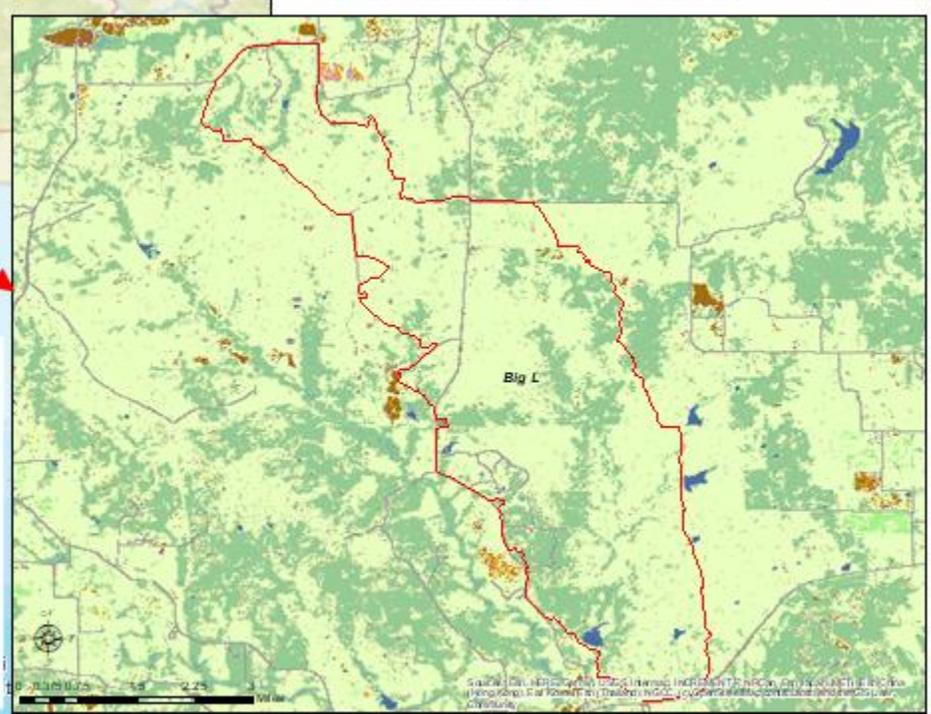
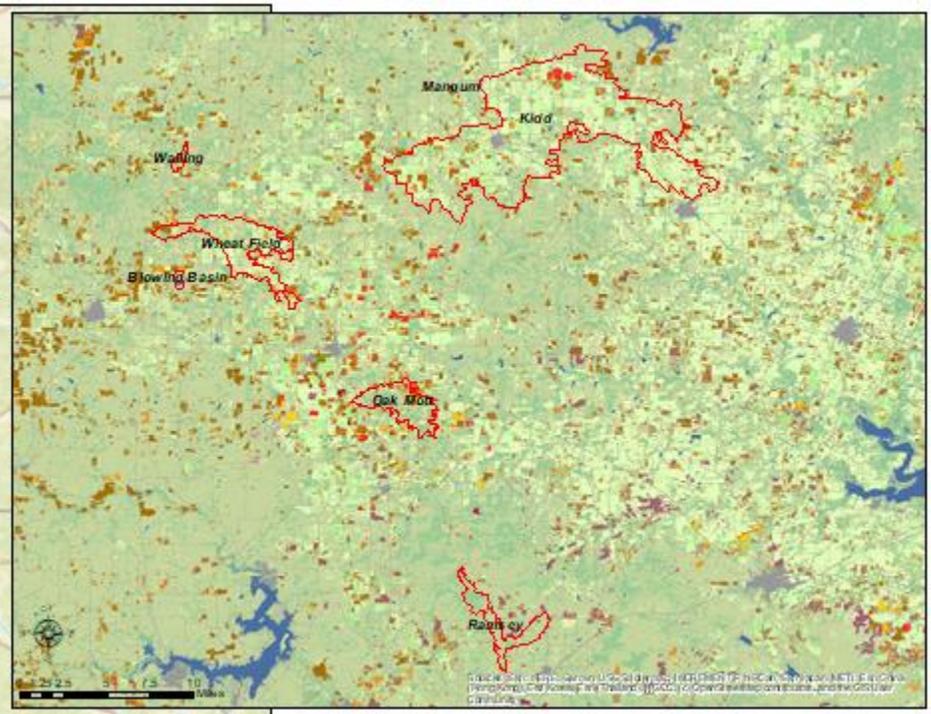
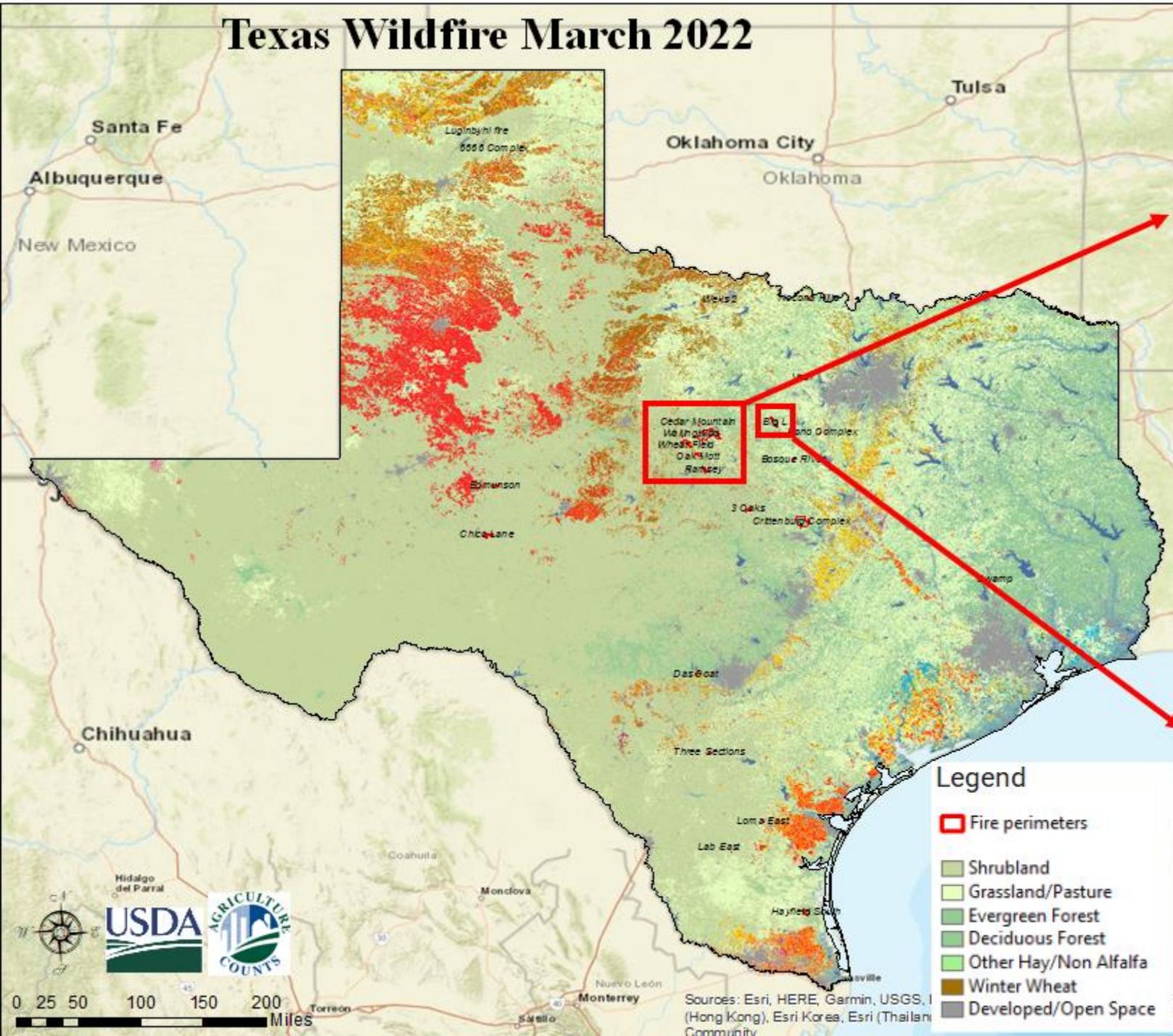


Texas
Wildfire
March 2022

NASS SARS



Texas Wildfire March 2022



Legend

- Fire perimeters
- Shrubland
- Grassland/Pasture
- Evergreen Forest
- Deciduous Forest
- Other Hay/Non Alfalfa
- Winter Wheat
- Developed/Open Space

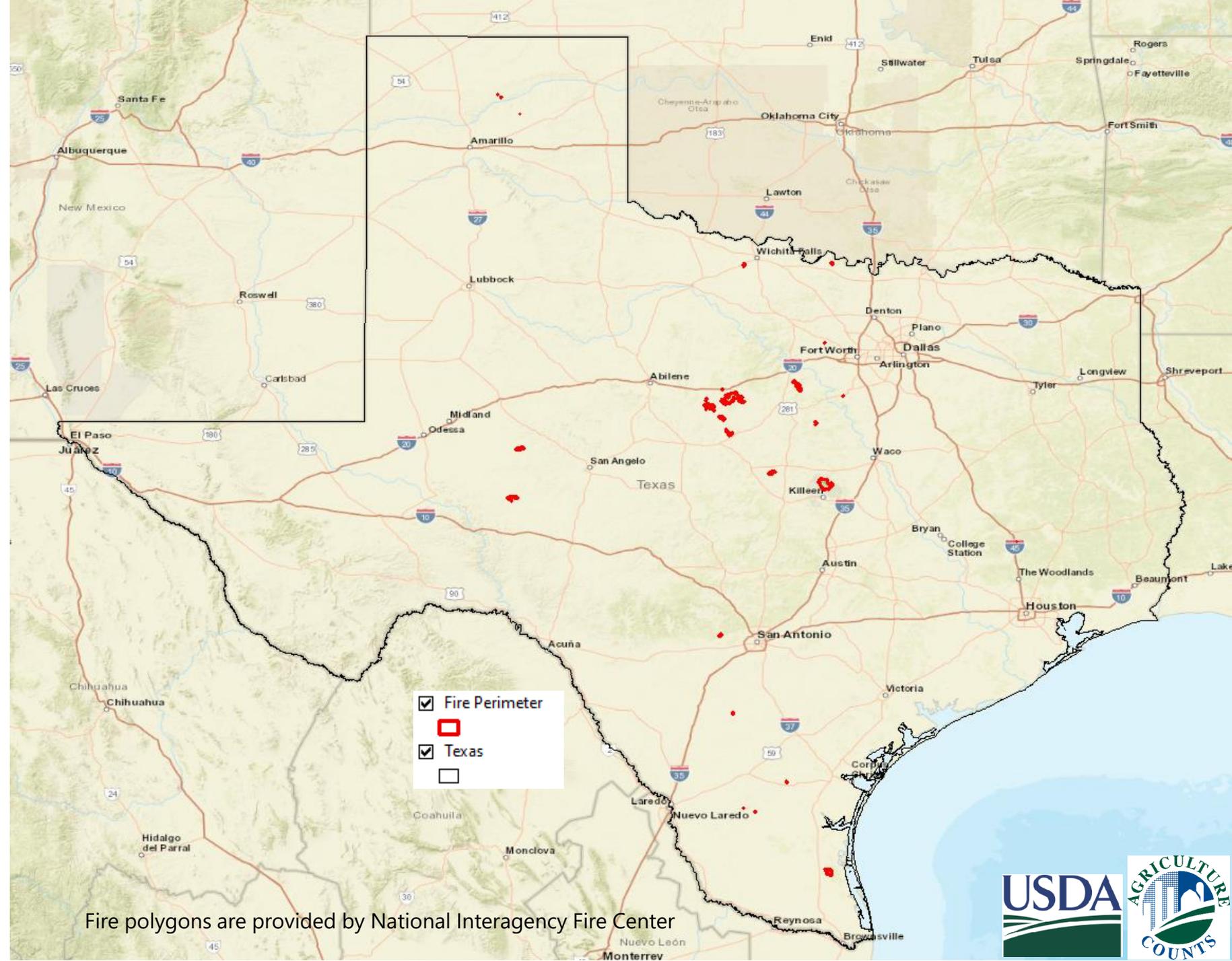
USDA AGRICULTURE COUNTS logo and scale bar (0 to 200 Miles).

Sources: Esri, HERE, Garmin, USGS, Intel, (Hong Kong), Esri Korea, Esri (Thailand), Community

Texas Wildfire March 17-28, 2022

High winds, low humidity, and drought-parched grasses have caused wildfires across the Southern Plains of the United States since mid-March 2022, including Texas.

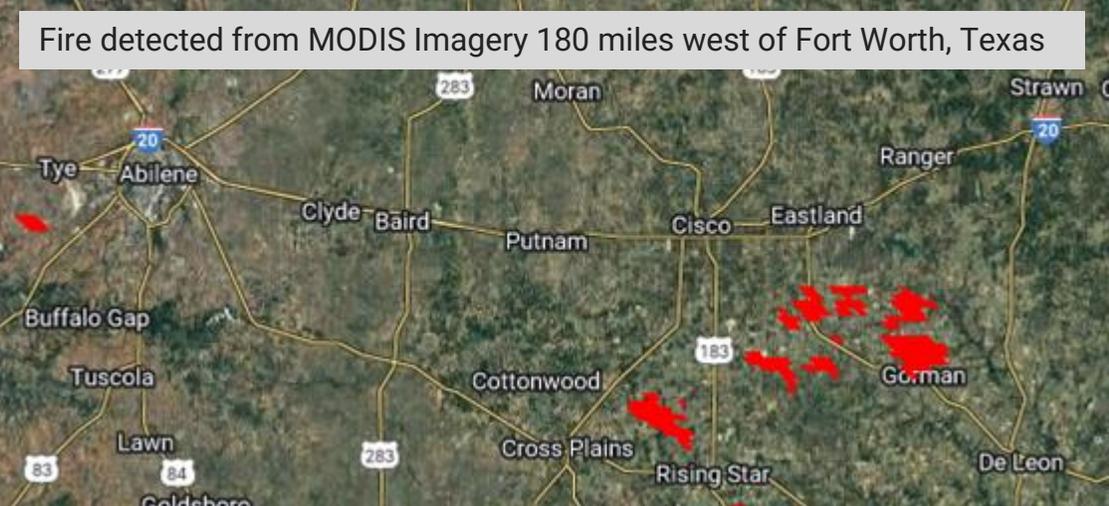
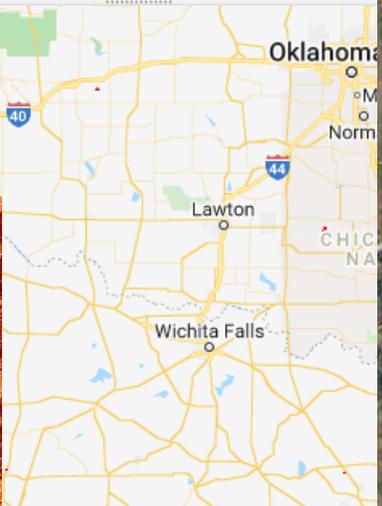
<https://earthobservatory.nasa.gov/images/149608/dry-winds-and-grasses-fuel-texas-fires>



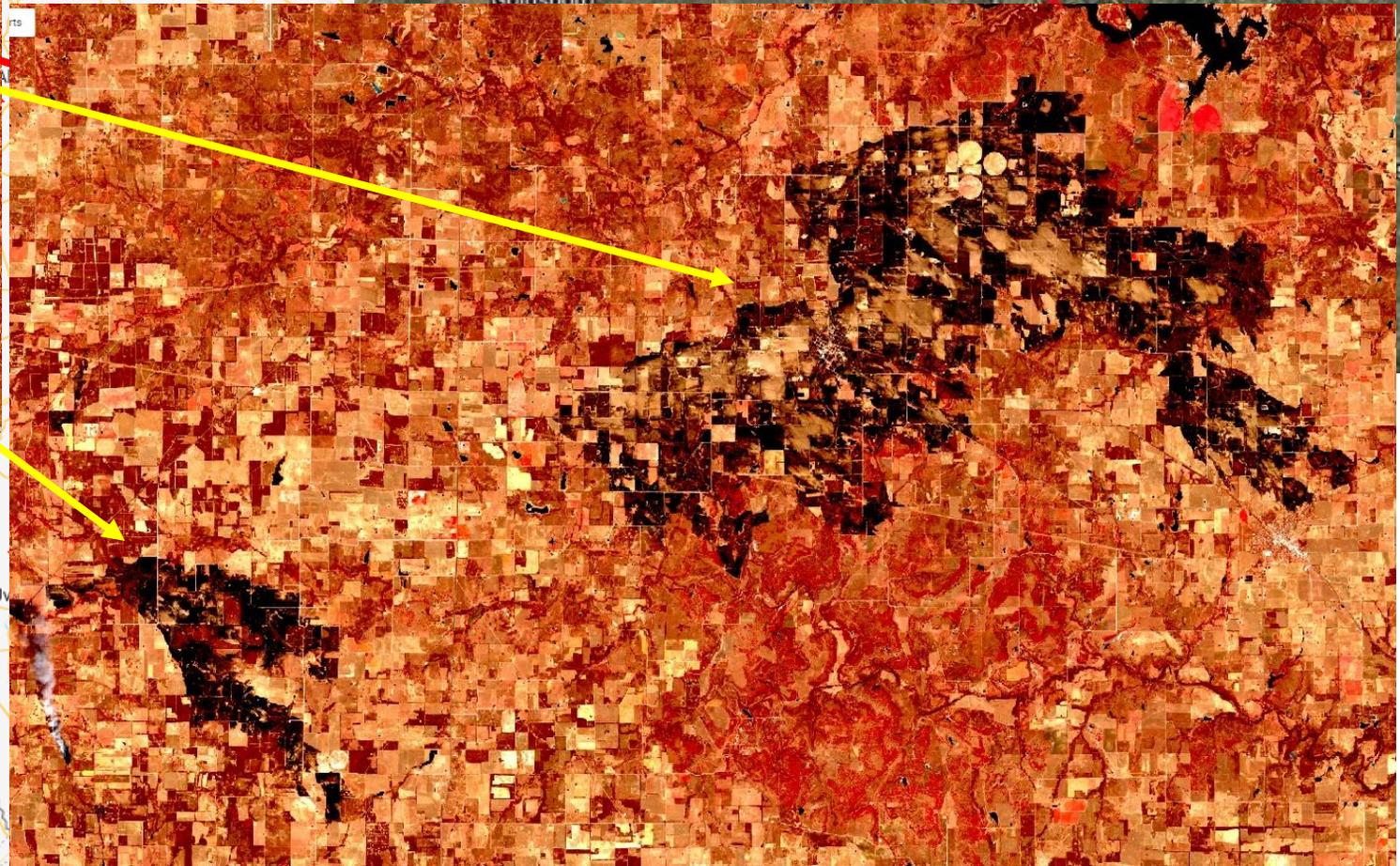
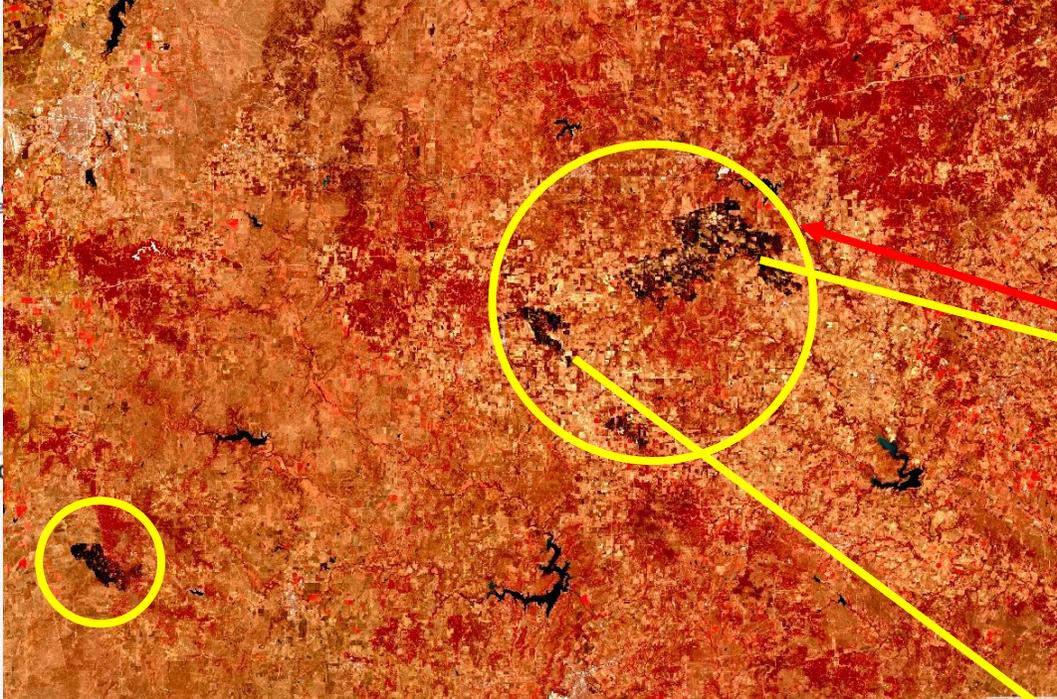
Fire polygons are provided by National Interagency Fire Center



Fire masks derived from MODIS Terra Thermal Anomalies & Fire Daily Global 1km Product March 17 – 21, 2022



Fire scars detected on Sentinel-2B image of March 20, 2022



Fire scars detected 180 miles west of Fort Worth, Texas from Sentinel-2B image acquired on March 20, 2022

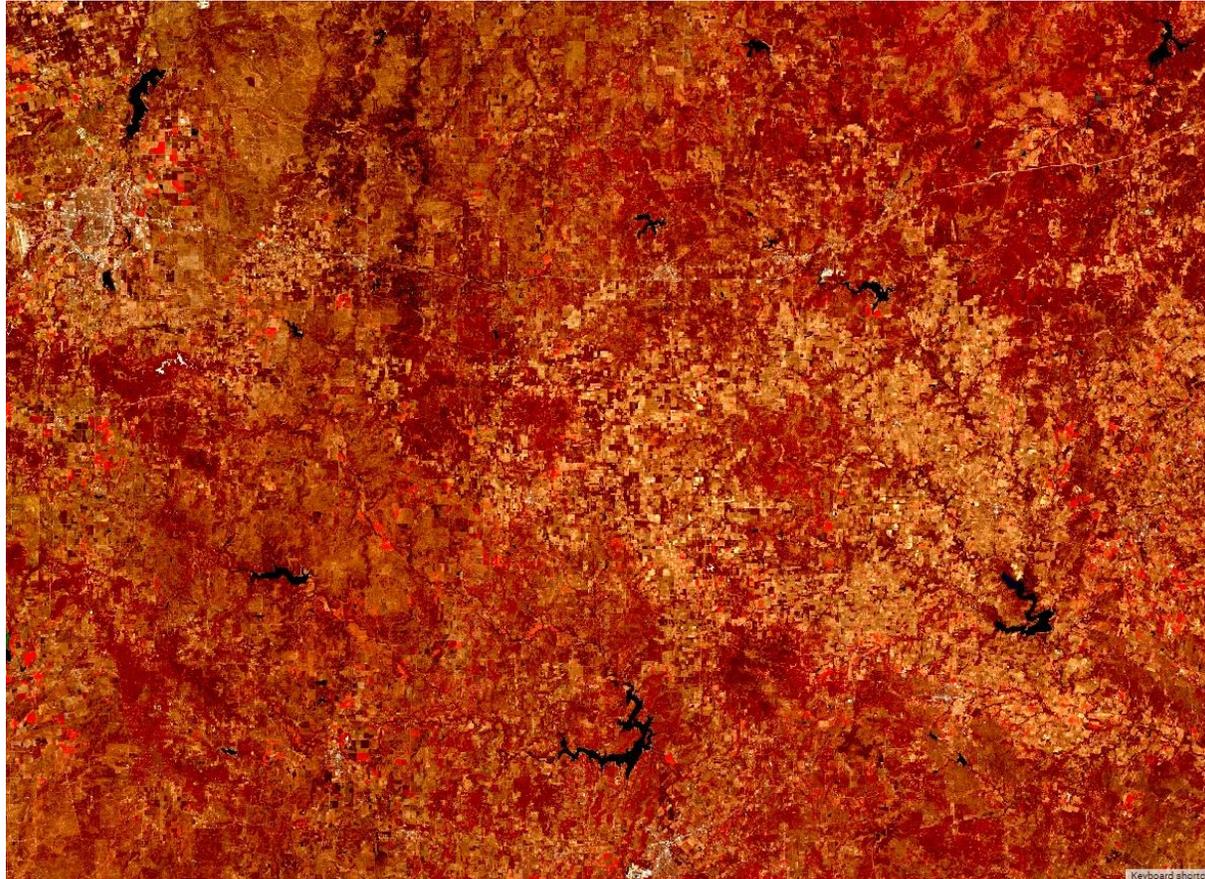


Image before the fires (median image of January 1 – February 28, 2022)

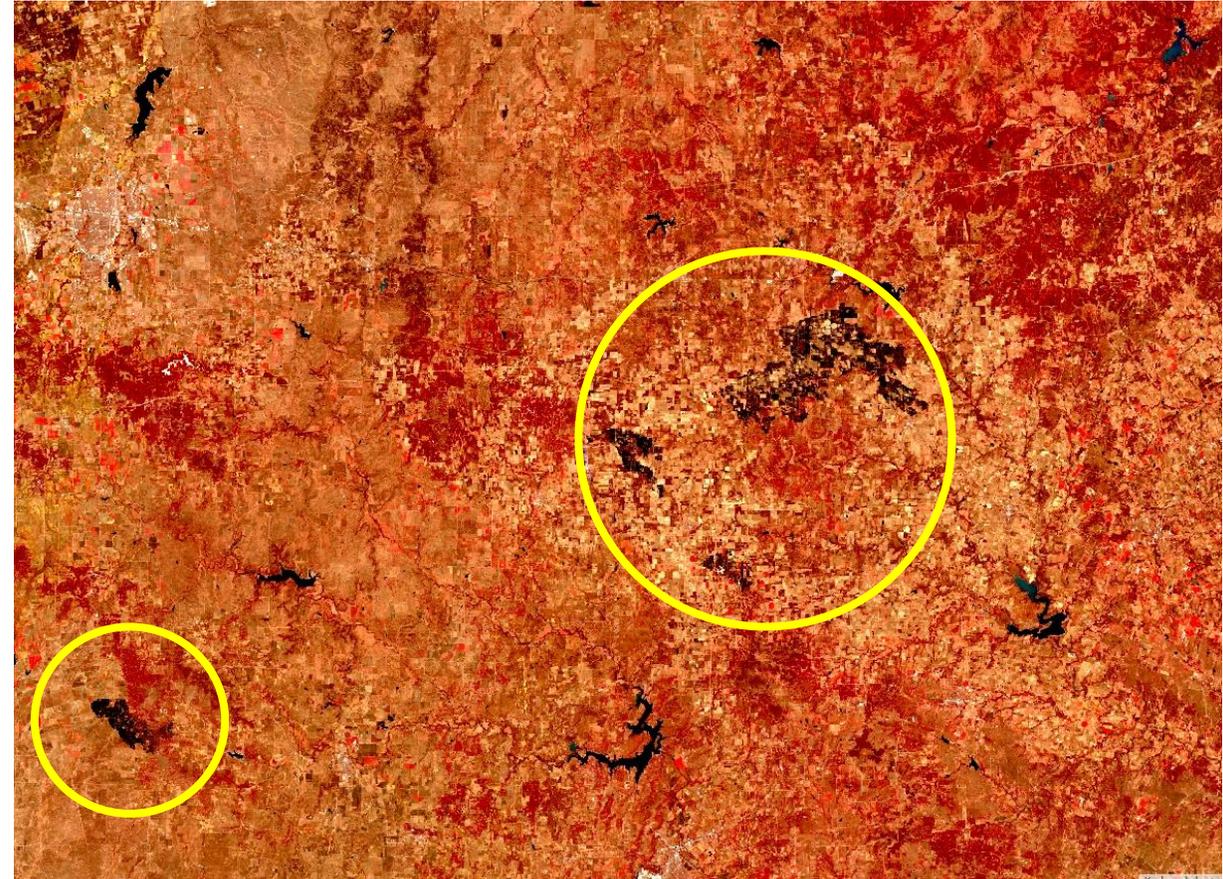


Image after the fires (March 20, 2022)

Fire scars detected 180 miles west of Fort Worth, Texas from Sentinel-2A image acquired on March 25, 2022

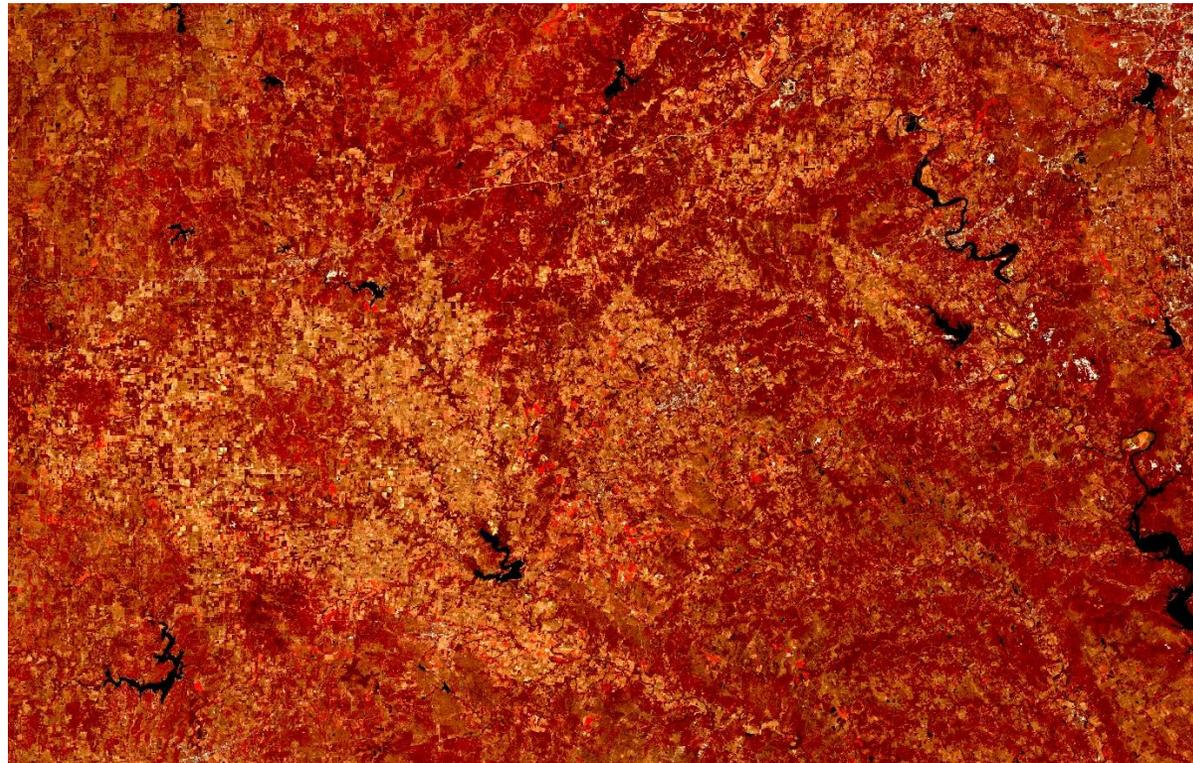


Image before the fires (median image of January 1 – February 28, 2022)

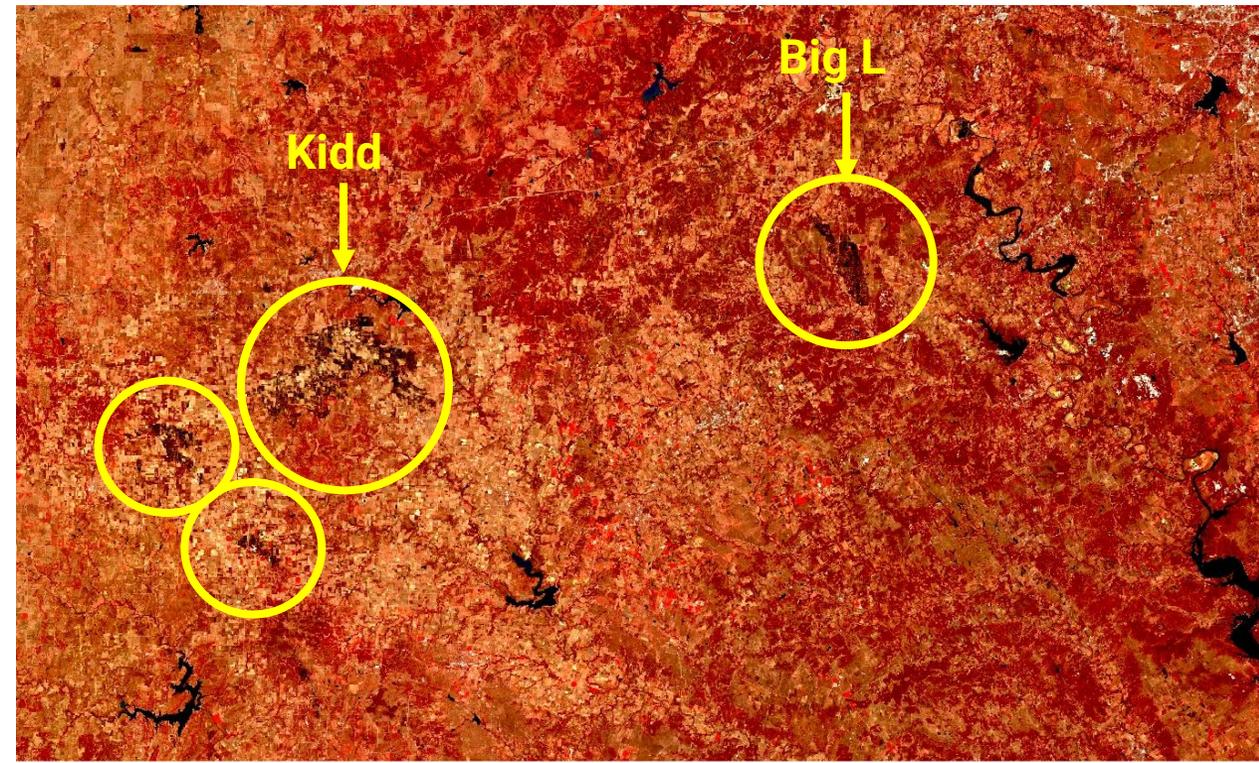


Image after the fires (March 25, 2022)

Fire scars detected 180 miles west of Fort Worth, Texas from Sentinel-2A image acquired on March 25, 2022

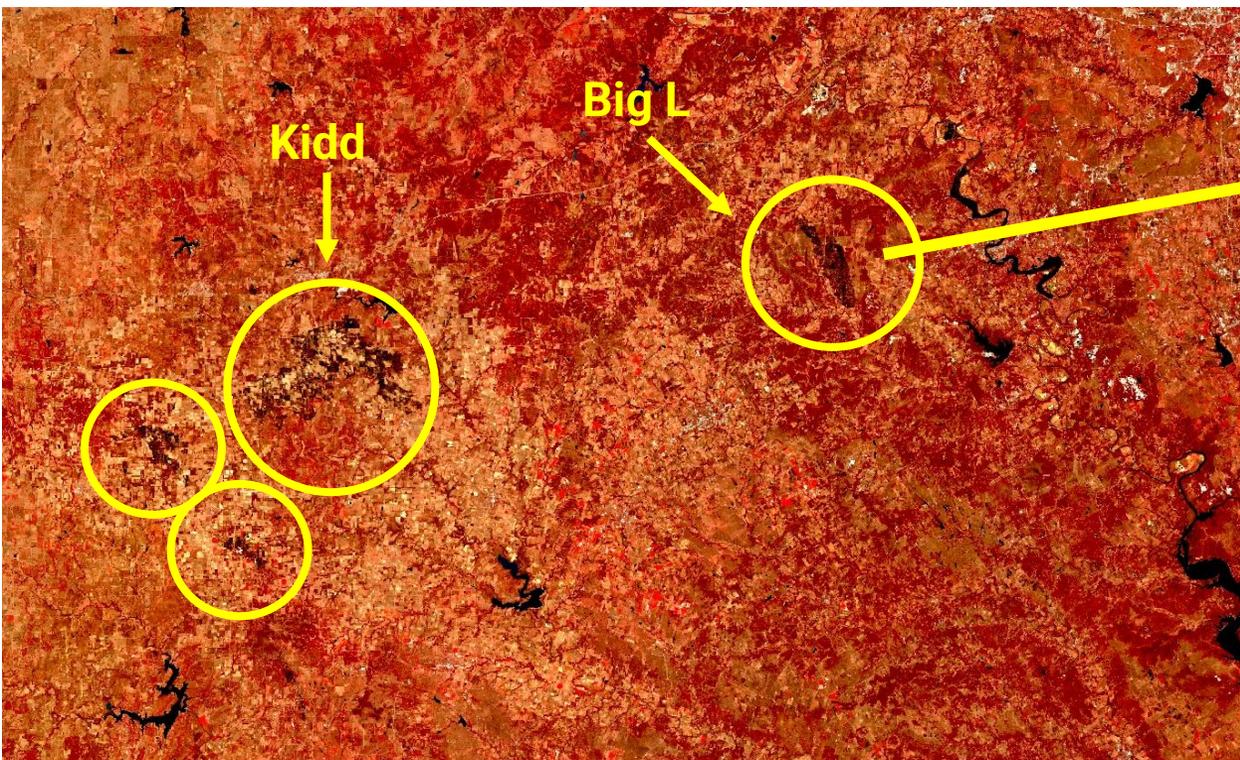
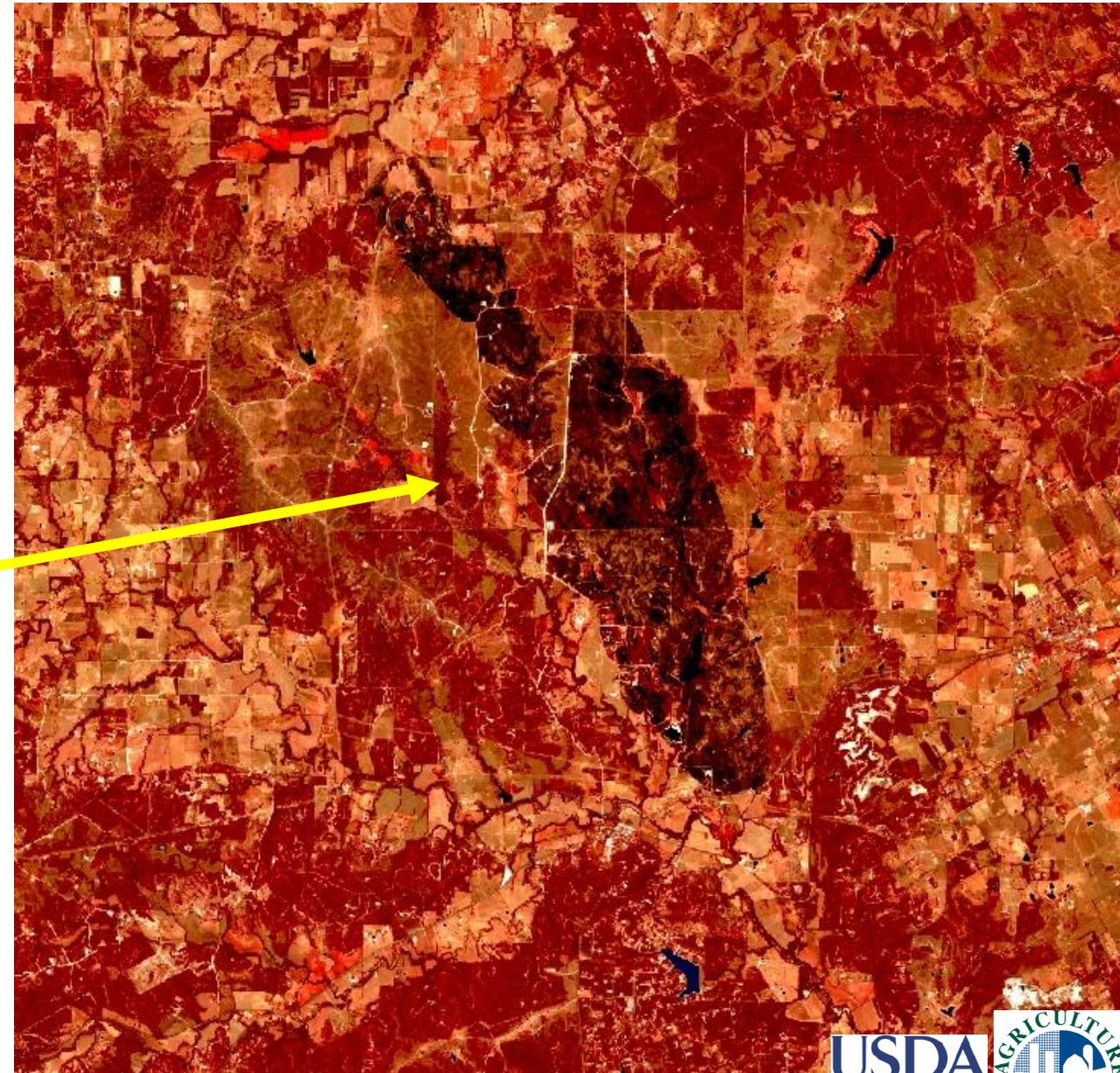
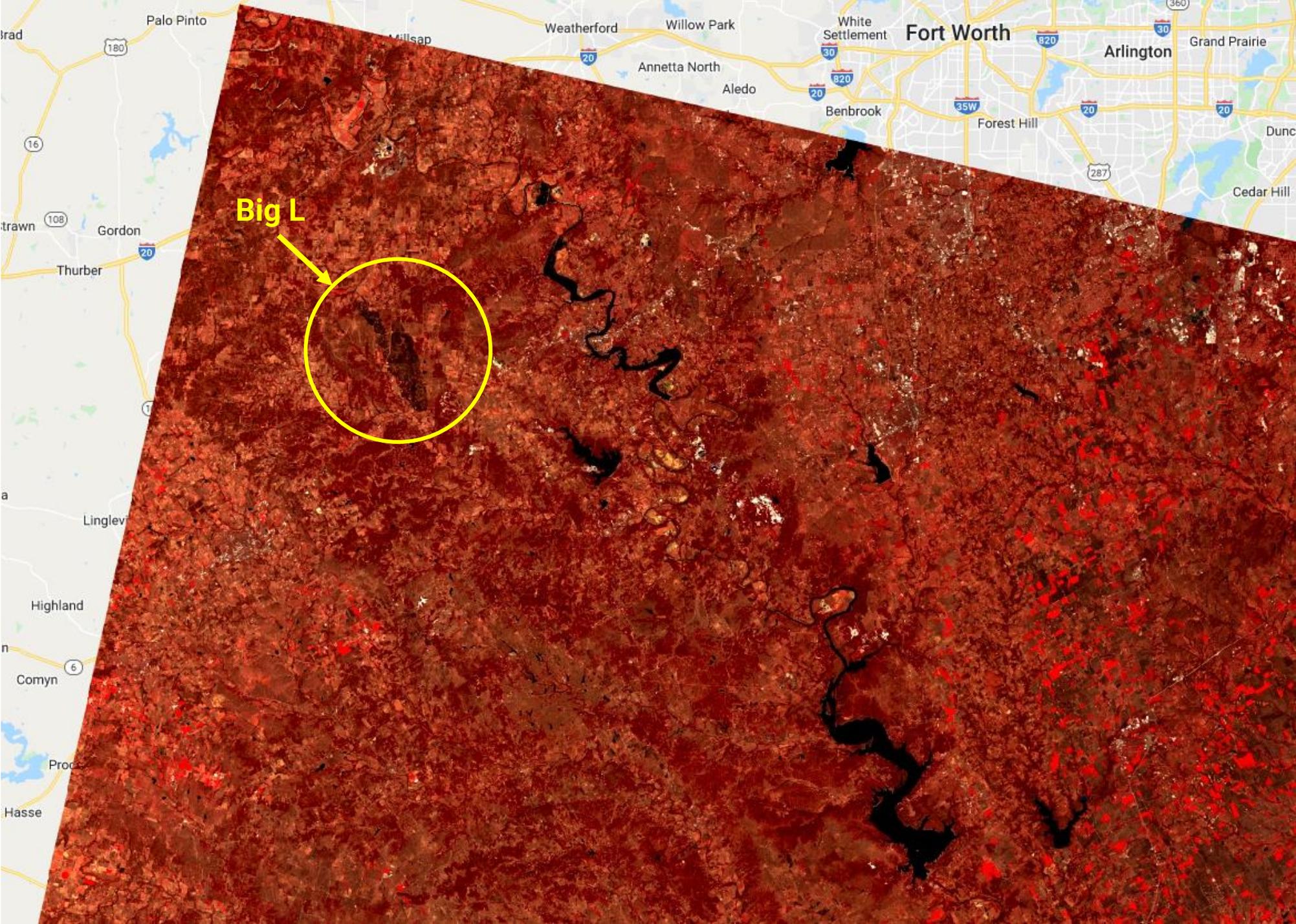


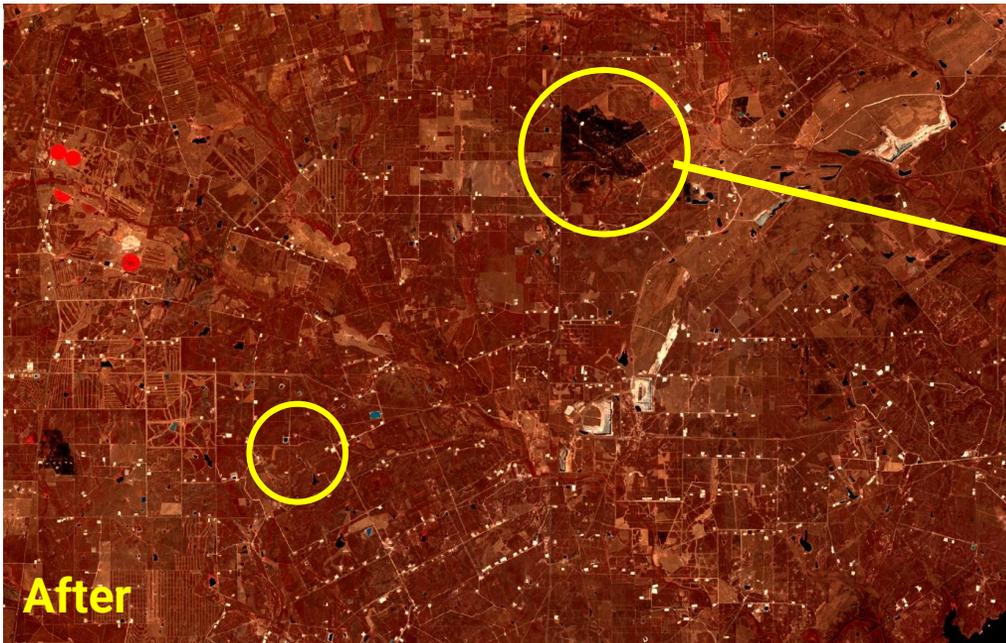
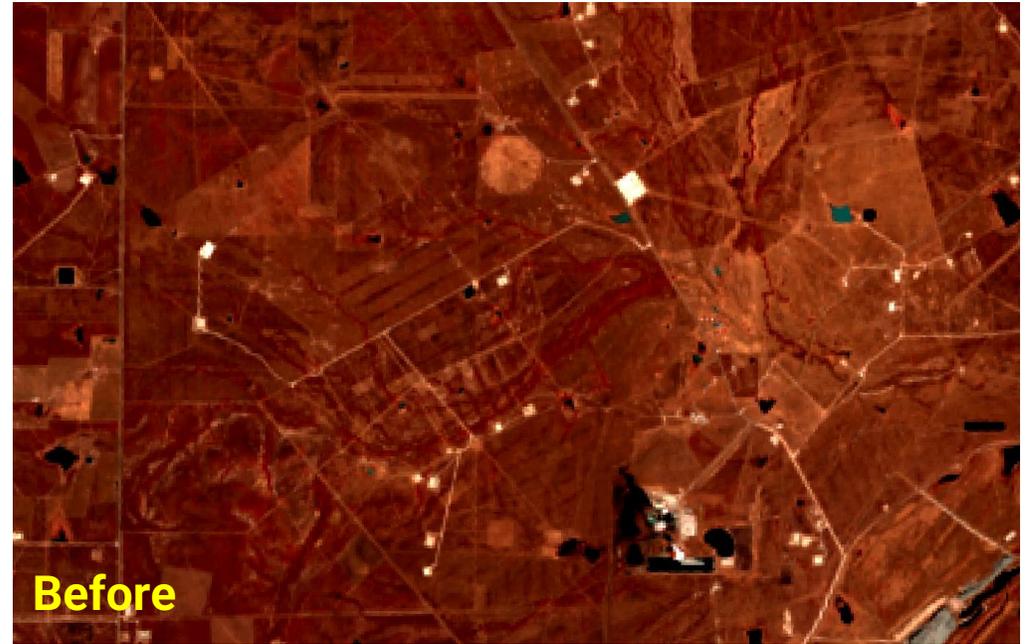
Image after the fires (March 25, 2022)

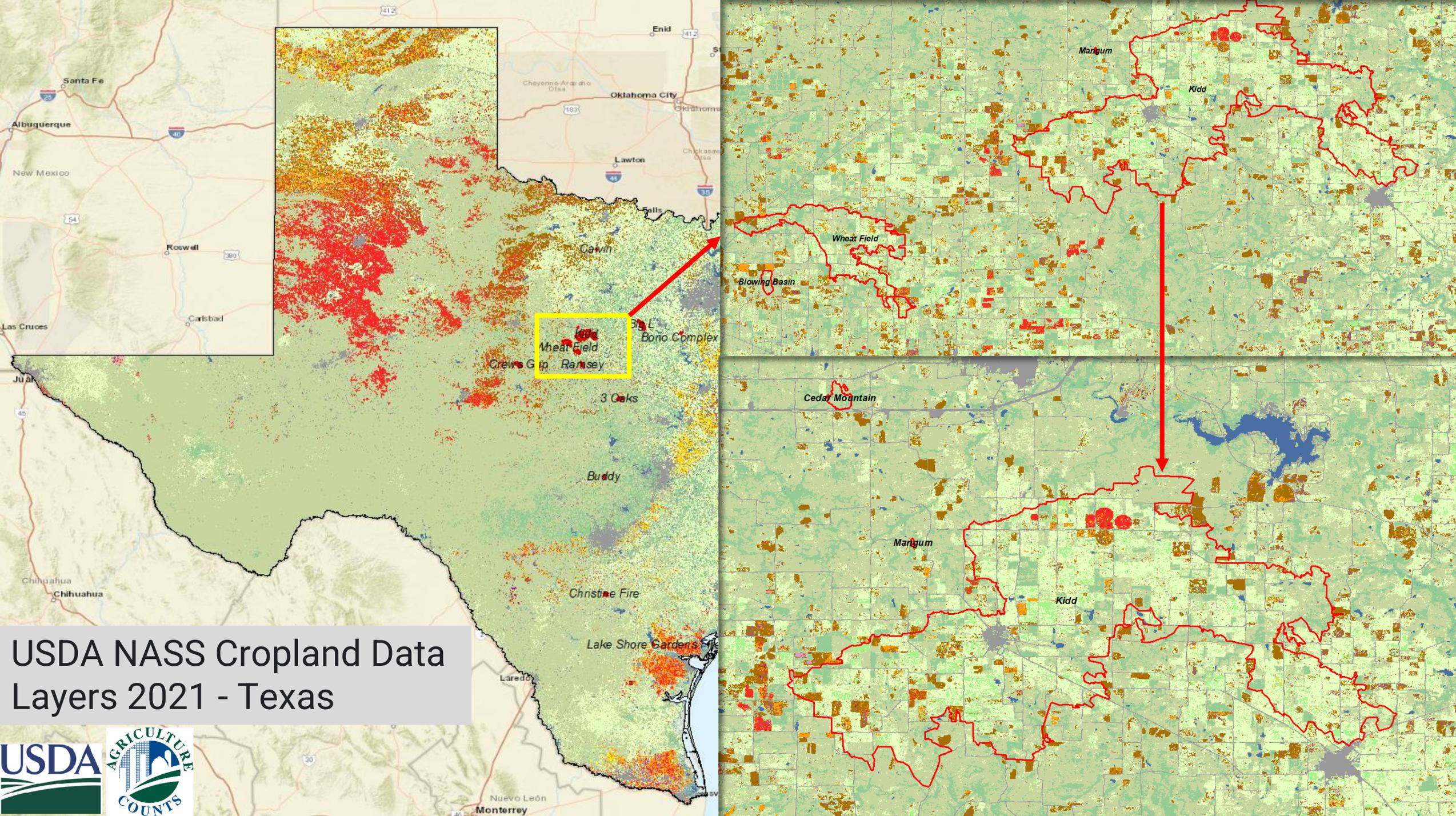


**Fire scars detected
from Landsat-9
image acquired on
March 25, 2022**



Fire scars detected from Landsat-9 image acquired on March 25, 2022

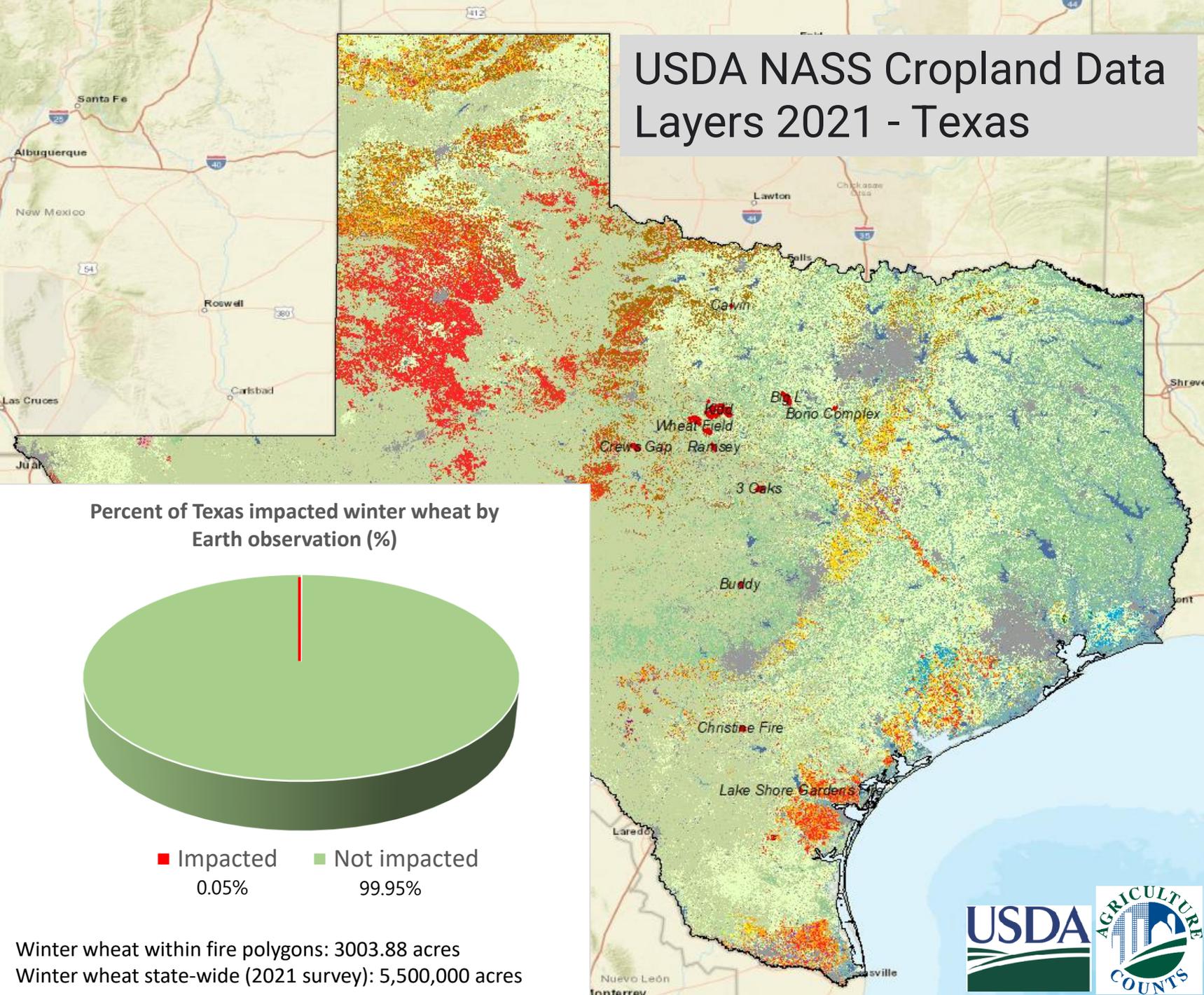




USDA NASS Cropland Data Layers 2021 - Texas



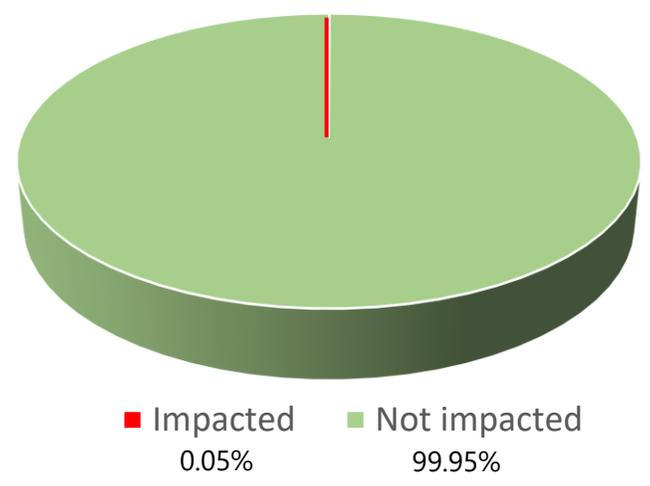
USDA NASS Cropland Data Layers 2021 - Texas



Percent of landcovers within all fire polygons

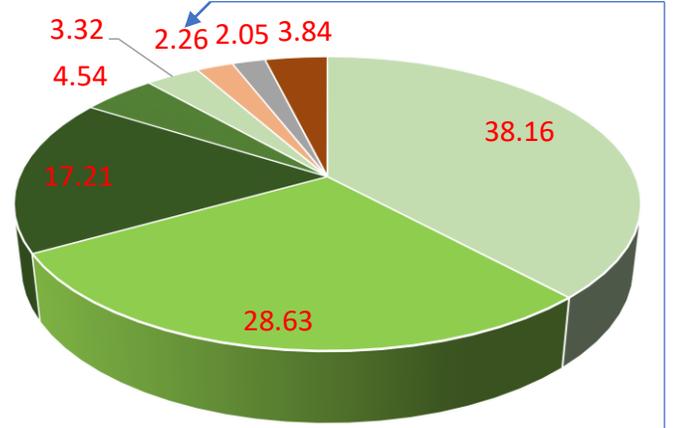
Crop name	Sub-total acres	Percent (%)
Shrubland	50611.68	38.16
Grassland-Pasture	37970.11	28.63
Evergreen Forest	22821.69	17.21
Deciduous Forest	6016.66	4.54
Other Hay-Non Alfalfa	4406.08	3.32
Winter Wheat	3003.88	2.26
Developed-Open Space	2712.99	2.05
Other	5090.61	3.84
Total	132633.71	100.00

Percent of Texas impacted winter wheat by Earth observation (%)



Winter wheat within fire polygons: 3003.88 acres
 Winter wheat state-wide (2021 survey): 5,500,000 acres

Percent of landcover (%)



- Shrubland
- Grassland-Pasture
- Evergreen Forest
- Deciduous Forest
- Other Hay-Non Alfalfa
- Winter Wheat
- Developed-Open Space
- Other

The top 7 landcovers occupied 96.16% of total fired area, where winter wheat accounted for 2.26% of the impacted area. Impacted winter wheat accounted for 0.05% of the total state-wide surveyed winter wheat area.

